

1638X



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR:

John E. Thompson et al.

APPL. NO. 09/725,019

FILING DATE: November 29, 2000

GROUP ART UNIT: 1638

EXAMINER: S. Baum

RECEIVED
APR 07 2003
#12

TITLE: "DNA Encoding A Plant Deoxyhypusine Synthase, a Plant Eukaryotic Initiation Factor 5A, Transgenic Plants and a Method for Controlling Senescence and Programmed Cell Death in Plants"

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.56 and § 1.97

Sir:

Pursuant to 37 CFR § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

Please debit Deposit Account No. 11-0600 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p) to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached. The PTO is authorized to charge any fees regarding this filing to Kenyon & Kenyon's Deposit Account No. 11-0600

04/03/2003 JBALINAN 00000021 110600 09725019
01 FEE:180.00 180.00 CH

Respectfully submitted,

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PTO-1449

ATTY. DOCKET NO.
10799/12Serial No.
09/725,019INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT – John E. Thompson et al.

FILING DATE -
November 29, 2000Examiner -
S. Baum

U. S. PATENT DOCUMENTS				
EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/SUBCLASS

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Ober et al., "Deoxyhypusine Synthase from Tobacco: cDNA Isolation, Characterization, and Bacterial Expression of an Enzyme with Extended Substrate Specificity" (1999, Journal of Biological Chemistry 274: 32040-32047).
	Database EMBL 'Online! Bork et al., "Cloning and Expression of the CBL1 Gene Encoding Cystathionine-Beta-Lyase from <i>Arabidopsis thaliana</i> ." Retrieved from EBI. Database accession no. AB004823 XP002227363.
	Database EMBL 'Online! Pay et al., "Isolation and Sequence Determination of the Plant Homologue of the Eukaryotic Initiation Factor 4D cDNA from Alfalfa <i>Medicago Sativa</i> ." Retrieved from EBI. Database accession no. X59441 XP002227364.
	Dresselhaus et al, "A Transcript Encoding Translation Initiation Factor eIF-5A is Stored in Unfertilized Egg Cells of Maize (1999, Plant Molecular Biology, 39: 1063-1071).
	Ruhl et al., "Eukaryotic Initiation Factor 5A is a Cellular Target of the Human Immunodeficiency Virus Type 1 Rev Activation Domain Mediating Trans-Activation" (1993, Journal of Cell Biology, 123: 1309-1320).
	WO 01 02592 A, International Search Report, January 11, 2001 (8 pages).
	Wang et al., "Isolation and Characterization of Senescence-induced cDNAs Encoding Deoxyhypusine Synthase and Eucaryotic Translation Initiation Factor 5A from Tomato" (2001, Journal of Biological Chemistry, 276: 17541-17549).
	Wang et al., "Antisense Suppression of Deoxyhypusine Synthase Delays <i>Arabidopsis thaliana</i> Leaf Senescence and Confers Increased Tolerance to Environmental Stress," Joint Annual Meetings of the American Society of Plant Biologists and the Canadian Society of Plant Physiologists, July 21-25, 2001 (Abstract #754).
	Bowie et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Substitutions" (1990, Science, 247: 1306-1310).
EXAMINER	DATE CONSIDERED
<u>EXAMINER: Initial if citation is considered, whether or not citation is in conformance with M.P.E.P. 609; strike out citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</u>	